Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/28/2019 12:42 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123474	-2	2.95	123451	2.95
Blue	F	SSC	125000	124614	-1	4.54	125281	4.48
Blue	E	FITC	16694	16239	-3	4.34	376	21.60
Blue	D	PE	32792	32395	-2	3.73	713	16.30
Blue	B	PerCP-Cy5-5	44451	44484	0	5.12	1214	23.50
Blue	A	PE-Cy7	33645	34301	1	7.39	622	48.01
Red	C	APC	47008	46756	-1	3.20	1803	13.38
Red	A	APC-Cy7	32298	32016	-1	3.18	801	13.93
Violet	B	V450	8961	8711	-3	4.87	484	14.34
Violet	A	V500	32726	31481	-4	4.72	756	11.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20153	5.54	607	-6	N/A	N/A	Pass
Blue	F	SSC	56285	4.10	578	10	N/A	N/A	Pass
Blue	E	FITC	63	68.96	564	1	0.0160	98	Pass
Blue	D	PE	142	55.60	568	2	0.1292	255	Pass
Blue	B	PerCP-Cy5-5	223	55.97	674	3	0.0070	23	Pass
Blue	A	PE-Cy7	121	119.33	730	4	0.0089	24	Pass
Red	C	APC	412	28.78	612	-1	0.0195	155	Pass
Red	A	APC-Cy7	199	30.74	583	-2	0.0047	858	Pass
Violet	B	V450	70	69.64	483	-3	0.0462	2278	Pass
Violet	A	V500	107	35.23	492	-4	0.0194	530	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.56	-32.17	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	17.26	13.60 - 20.40	N/A	N/A	29.34	29.80	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13588

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments